

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/03/2021 09:23 AM
Cytometer Baseline: 04/05/2021 10:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124160	-1	1.42	124029	1.44
Blue	F	SSC	125000	124188	-1	3.01	124430	2.95
Blue	E	FITC	14400	13874	-4	2.43	320	15.22
Blue	D	PE	24713	24508	-1	1.76	563	10.91
Blue	B	PerCP-Cy5-5	31796	31390	-2	3.23	1041	14.64
Blue	A	PE-Cy7	21240	20893	-2	5.43	556	29.73
Red	C	APC	41319	40606	-2	3.02	1697	10.97
Red	A	APC-Cy7	21019	20469	-3	3.21	768	11.17
Violet	B	V450	7305	7106	-3	3.56	437	11.94
Violet	A	V500	28652	27677	-4	3.06	694	9.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23370	1.35	570	1	N/A	N/A	Pass
Blue	F	SSC	57885	1.51	521	9	N/A	N/A	Pass
Blue	E	FITC	58	54.24	494	3	0.0448	103	Pass
Blue	D	PE	118	37.51	493	6	0.3999	320	Pass
Blue	B	PerCP-Cy5-5	192	36.24	590	6	0.0196	74	Pass
Blue	A	PE-Cy7	110	69.32	636	6	0.0211	0	Pass
Red	C	APC	393	23.19	573	0	0.0314	227	Pass
Red	A	APC-Cy7	172	26.96	544	-1	0.0071	1401	Pass
Violet	B	V450	60	59.78	459	3	0.0653	2108	Pass
Violet	A	V500	99	31.98	472	2	0.0261	548	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.56	-31.36	0.98
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.43
Red	19.73	15.99 - 23.99	N/A	N/A	29.71	30.00	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 13153

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments